

Baseline ID# 1959825



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General Information

PerformanceTest Windows	Version 10.2.1017
Baseline ID	1959825
Operating System	Windows 10 Professional Edition build 19045 (64-bit)
Submitted Date	1st of December, 2023

Benchmark Scores

Passmark Rating	11,144	★★★★★
- CPU Mark ⓘ	43,840	★★★★★
Integer Math	155,483 MOps/Sec	
Floating Point Math	85,565 MOps/Sec	
Find Prime Numbers	326 Million Primes/Sec	
Random String Sorting	59,980 Thousand Strings/Sec	
Data Encryption	33,892 MBytes/Sec	
Data Compression	523 MBytes/Sec	
Physics	2,428 Frames/Sec	
Extended Instructions	36,624 Million Matrices/Sec	
Single Thread	3,812 MOps/Sec	
- 2D Graphics Mark	1,461	★★★★★
Simple Vectors	26 Thousand Vectors/Sec	
Fonts and Text	656 Ops/Sec	
Windows Interface	73 Ops/Sec	
Image Filters	4,430 Filters/Sec	
Image Rendering	430 Thousand Images/Sec	
Direct 2D	87 Frames/Sec	
PDF Rendering	58 Ops/Sec	
Direct 2D - SVG	106 Frames/Sec	
- 3D Graphics Mark ⓘ	38,993	★★★★★
DirectX 9	342 Frames/Sec	
DirectX 10	444 Frames/Sec	
DirectX 11	984 Frames/Sec	
DirectX 12	179 Frames/Sec	
GPU Compute	18,597 Ops/Sec	
- Memory Mark ⓘ	3,707	★★★★★
Database Operations	9,085 KOps/Sec	
Memory Read Cached	38,605 MBytes/Sec	
Memory Read Uncached	25,608 MBytes/Sec	
Memory Write	18,389 MBytes/Sec	
Available RAM	62,087 Megabytes	
Memory Latency	44 ns (lower is better)	
Memory Threaded	54,021 MBytes/Sec	
- Disk Mark ⓘ	49,435	★★★★★
Disk Sequential Read	4,204 MBytes/Sec	
Disk Sequential Write	5,002 MBytes/Sec	
IOPS 32KQD20	4,577 MBytes/Sec	
IOPS 4KQD1	129 MBytes/Sec	

Hardware

CPU Type	AMD Ryzen 9 5900X
CPU Measured Speed	4.01 GHz [Turbo: 4.95 GHz]
Motherboard	Micro-Star International Co., Ltd. MPG X570S CARBON MAX WIFI (MS-7D52)
Memory	64GB, Patriot Memory (PDP Systems) 3600 C18 Series
Video Card Tested	Radeon RX 6950 XT
Hard Drive Tested	Seagate FireCuda 530 4TB (4 TB)



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Software

- > BurnInTest
- > PerformanceTest
- > OSForensics
- > MemTest86
- > WirelessMon
- > Management Console
- > Zoom Search Engine
- > Free Software

Hardware

- > USB3.0 Loopback Plugs
- > USB2.0 Loopback Plugs
- > PCIe Test Cards
- > USB Power Delivery Tester
- > Serial and Parallel Loopback Plugs
- > USB Short Circuit Testers

Benchmarks

- > CPU Benchmarks
- > Video Card Benchmarks
- > Hard Drive Benchmarks
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